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Jameco Part Number 207394

SURFBOARDS®

CAPITAL ADVANCED TECHNOLOGIES INC.™

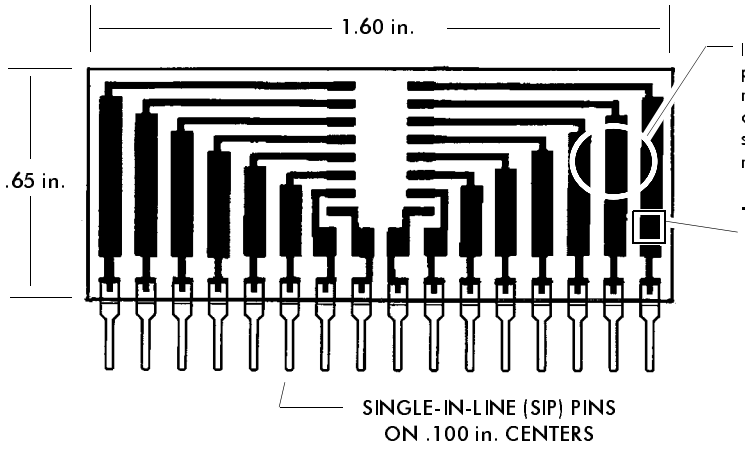
THE BREADBOARDING MEDIUM FOR ***SURFACE MOUNT*** *™*

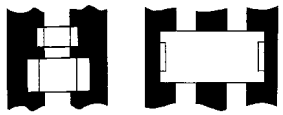
9000 SERIES FOR I.C.s

IDS9163A 3-9-99

MODEL 9163

ACCEPTS ONE 14 OR 16-PIN S.O.I.C.
OR TWO 8-PIN SOICs
DIRECT PIN OUT OR ADD ADDITIONAL COMPONENTS

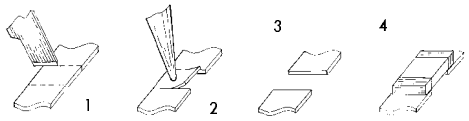

1.60 in.
.65 in.
I.C. pins fan out to peripheral part mounting areas capable of accepting several surface mount devices
SINGLE-IN-LINE (SIP) PINS
ON .100 in. CENTERS



FOIL MODIFICATIONS EXPAND VERSATILITY

Typical of many Surfboards are large pad areas which which may be modified to create additional part mounting zones or expand layout or connection options.

1: Score foil with sharp razor to define new zone.
2: Apply heat with iron to delaminate foil section.
3: New mounting zone has been created.
4: Solder component to new mounting zone.

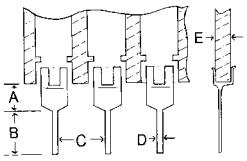


JUST ADD PARTS AND PLUG IN *(TM)*

I.C. FOOTPRINT
accepts one 14 or
16-pin SOIC,
or two 8-pin SOICs.

The 9163 provides direct pin-out of I.C. to SIP pins. If desired, components can be mounted across adjoining circuits, straddle mounted, or new mounting zones can be created in the large circuit foils. The large foils provide space for significant modifications or addition of jumpers if needed. The finished prototype of sub-assembly can be plugged into a solderless breadboard or socket, or soldered into a conventional breadboard.

PIN SPECIFICATIONS / TOLERANCES



In Inches
A= .062 +- .006
B= .130 +- .010
C= .100 +- .005
D= .020 +- .004
E= .031 +- .005

BOARD SPECIFICATIONS

BOARD MATERIAL: .031+-.005 In. Thick G-10 FR-4 Glass Epoxy or equivalent.
CIRCUITS: 1oz Copper with solder coated pads.
TOLERANCES: Given in inches
Board Size +- .020 / OAL+-.040
Circuit pattern/position +-.005

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